383 occasionally used on the dug-out canoes. This rubber has to be beaten before applied. It is put on cracks or fragile places in the boat, and the glue from the *tuskra'* palm (see p. 19) is put on top of this (see p. 15). Pieces of old rubber inner tubes collected from the coast are used by the boys for sling shots (see p. 8).

[439 524]

281 **Skins.** Hides are sun-dried without any preservative, buzzards and chickens being allowed to pick the skin clean. They are used for beds (see p. 13), to dry cotton (see p. 16), corn, and other grains (see p. 9), and for drums (see p. 29).

322 **Wood and Stone.** Wood is important for the houses of the *Boruca* (see p. 11), for the low benches, mortars to husk grains, shafts of agricultural implements, weaving implements, canoes, fishing gear, and, occasionally as hives for bees. The only use of stone at present is for grinding corn and cacao.

324

[Continued p. 20-B, first paragraph]

MEASUREMENTS OF TIME

805 [825] The first four hours of the day are told by cock crows.[32] The Indians talk of the "first crow of the cock; the second," etc., up to the fourth. From then on the telling of the hour is dependent on the breaking of dawn and the sun. The *Boruca* also watch the moon, using its various stages during the month as a gage for planting and even for cutting a tree. They also calculate the divisions of the year by the

[continued p. 20-B, second paragraph]

LIFE CYCLE

844 [783] **Birth.** Before the birth of a child, as well as after the birth, the house is purified with the incense of copal (*Protium costaricense* [Rose] Engler) (see p. 24), mixed with castor oil, or, sometimes, with the oil from the copaiba or *camíbar* tree (*Prioria copaifera* Griseb.) which grows in the Diquis Valley. The oil is used only as a binder, and to add to the burning quality. This mixture is put in *comales* (see p. 19) under the bed. The mother is given a purgative of *cordoncillo* (see p. 11), both before and after the birth, and is also given the liquid left from boiling the bark of the *camíbar* tree. The umbilical cord is cut with a knife made of cane, *caña blanca* (see p.

[continued p. 20-B, third paragraph]

[32] Pittier, 1941, p. 84, also calls attention to this fact.

381 **Glues.** *See* Musical Instruments and Hunting.

281 **Skins.** There is relatively little use of cattle hide among these people. The Cabécares of the [231] Pacific slope who have most of the cattle, and [415] rarely the Bribri and Cabécares of Talamanca, make pouches or hunting bags from the sacs of bulls. The Pacific Cabécares also copy their non-indigenous neighbors in using skins to dry rice, beans, and cacao. Both wild pig and jaguar hide are made into pouches. Pieces of [824] deer hide are used for minute bags which [777] contain good luck seeds to put on children's [292] necklaces. In upper Talamanca men (chiefly [534] medicine men) wear deer and jaguar skins over their clothing on festive occasions. Peccary hide is used to cover drums on the Pacific slope and iguana skin is used on the Caribbean side.

314 **Rubber.** On the Caribbean slope, rubber is 824 tapped from the wild tree (*Castilla fallax* O. F. Cook) by the Cabécares and made into pouches (*see* Hunting).

322 **Wood and Stone.** Wood, of course, has a variety of uses many of which have been mentioned earlier. Among the Bribri of the [252] Caribbean littoral, grinding tables are often made of wood and are large enough for several women to use at the same time. They are located beside a water hole or stream and are balanced on logs. On the Caribbean side, [415] mahogany or cedar mixing trays or troughs, [273] up to twelve feet in length and supported by four feet, are used for chicha mash (*see* Furnishings). Vertical wooden mortars for rice, [412] shallow mortars, and large trays or bowls are [415] common. These last two items are used for [251] drying foodstuffs or even for mixing paste [252] with water. Wooden staffs known as *cacique* sticks are an important part of the medicine man's equipment (*see* Special Paraphernalia and Significance).

372 In upper Talamanca, the fire stick is used (*see* Fire-making).

324 Stone is not worked today but is employed 287 for food preparation and the manufacture of bark cloth.